



22783 U.S. PTO

**NONPROVISIONAL PATENT  
APPLICATION TRANSMITTAL RULE §1.53(b)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

22858 U.S. PTO  
10/813276



**Customer Number 32294**

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Docket No.: 58268.00354

Date: March 31, 2004

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**MAILSTOP PATENT APPLICATION**

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): VARACTOR-BASED RING OSCILLATOR

By (Inventors): Hung-Ming CHIEN

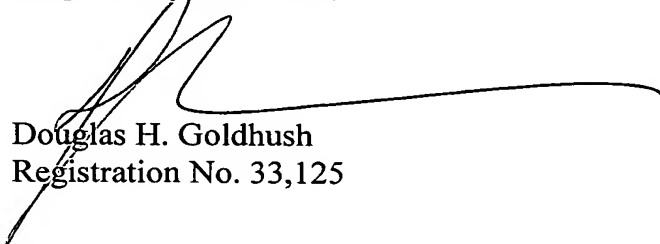
- ☒ 20 pages of Specification/Claims 1-22/Abstract are attached.
- ☒ Formal drawings (Figs. 1-5; 4 sheets) are attached.
- ☒ A Declaration and Power of Attorney is attached.
- ☒ An assignment of the invention to Broadcom Corporation is attached, along with Form PTO-1595 and a check for \$40.00.
- ☐ An Information Disclosure Statement is attached, along with Form PTO-1449, and \_\_\_\_\_ reference(s).
- ☐ This application is entitled to Small Entity Status.
- ☐ A Preliminary Amendment is attached.
- ☐ Priority of foreign application No. \_\_\_\_\_ filed \_\_\_\_\_ in \_\_\_\_\_ is claimed under 35 U.S.C. §119.
- ☐ Priority of U.S. Provisional Application(s) No. \_\_\_\_\_ filed \_\_\_\_\_ is claimed under 35 U.S.C. §119(e).
- ☐ A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

			SMALL ENTITY		LARGE ENTITY		
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	OR	RATE	FEE
BASIC FEE				\$ 385	OR		\$ 770
TOTAL CLAIMS	22 - 20	= 2	x 9 =	\$	OR	x 18	\$ 36
INDEP CLAIMS	4 - 3	= 1	x 43 =	\$	OR	x 86	\$ 86
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+145 =	\$	OR	+290	\$
			TOTAL	\$	OR	TOTAL	\$ 892

- ☒ Check No. 011296 in the amount of \$962.00 (\$892.00 for the filing fee and \$40.00 for the Assignment Recordation Fee) is attached. Please charge any fee deficiency or credit any overpayment to Counsel's Deposit Account No. 50-2222.

Respectfully submitted,

  
Douglas H. Goldhush  
Registration No. 33,125

DHG/cct